

# The State of AI Today: Beyond the Hype, Real Transformation for Your Business

This presentation explores the transformative impact of AI, detailing key trends and industry adoption. Understand how to capitalize on AI's value and become a leader in the AI-driven future.

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# Generative AI: From Hype to Reality



## Foundational Technology

Generative AI is becoming a core part of businesses.



## Improved Capabilities

Models are becoming very powerful and efficient.



## Reduced Costs

AI is affordable and accessible.



## User-Friendly Interfaces

No-code/low-code platforms are making AI easy to use.

**How About YOU?**

# Beyond LLMs: Expanding Your AI Universe



## Advanced Reasoning

LLMs (Large Language Models) are evolving to understand complex relationships.



## Diffusion Models

Generating high-quality images, videos, and 3D models.



## AI Agents

Autonomously gather data, execute tasks, and achieve specific objectives.



# The Connectivity Revolution

## Expanded Access

Ubiquitous high-speed internet fuels widespread AI adoption, breaking down traditional barriers.

## Edge AI

Decentralized AI processing, closer to data origins, accelerates real-time applications and reduces latency.

## Increased Competition

Easy access and evolving infrastructure empower new market entrants, driving innovation and diverse AI solutions.



# Industry Adoption Today

## Leaders

Technology, Finance, Retail,  
Healthcare.

## Fast Followers

Manufacturing, Transportation,  
Energy.

## Laggards

Construction, Education,  
Government.

## How About YOU?

Be part of the leaders!



# The Economic Impact

- 1 Productivity Gains**  
AI is automating tasks and improving efficiency.
- 2 Job Displacement and Enrichment**  
Jobs are being replaced or enriched by AI.
- 3 New Job Creation**  
AI is creating new jobs in related fields.
- 4 Intelligence Amplifier**  
Accelerate skill updates and streamline knowledge acquisition.



# Mitigating Hallucinations

1

## **Reinforcement learning from human feedback:**

Think of this as training AI to be truthful by having humans rate its responses, so it learns to favor accurate and helpful answers.

2

## **Retrieval-Augmented Generation:**

This method allows AI to check a reliable database before answering, ensuring factual responses instead of making things up.

3

## **More accurate and diverse training data sets:**

Just as you learn better from a good course, AI improves with high-quality, diverse data—accurate and covering a wide range of topics.

4

## **AI models indicating when they are unsure:**

This technique helps AI admit uncertainty by saying "I'm not sure" instead of guessing, ensuring honesty about its knowledge.

# The No-Code/Low-Code AI Revolution: Empowering Business Agility



## Drag-and-Drop Interfaces

Let non-technical teams build and deploy AI apps, cutting development time and costs.



## Fast Solution Implementation

Use ready-to-use AI models, cutting custom development and speeding time-to-value.



## Easy automated Deployment

Simplify deployment for seamless integration of fast AI solutions into workflows.

